

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

May 14, 2021

Ron E. Hampton, Ph.D. Sr. Regulatory Product Manager Turf, Ornamentals and Pest Control Syngenta Crop Protection, LLC P.O. Box 18300 Greensboro, NC 27419

Subject: Label Amendment – Addition of the Termite Precautionary Statement as

Requested by the State of Louisiana; Restoration of the Risk Mitigation Required

by the Indoxacarb Interim Decision; and Update to First Aid Statement

Product Name: Arilon

EPA Registration Number: 100-1501 Application Date: April 26, 2021 Decision Number: 573394

Dear Dr. Hampton:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

The purpose of this label amendment is to restore previously accepted indoxacarb interim decision mitigation seen on the accepted label dated 9/25/2020 that was superseded by a subsequent label Notification approved on 11/20/2020. As part of this label action, the agency is also approving an update made to the First Aid Statements.

A stamped copy of your labeling is attached for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the

Page 2 of 2 EPA Reg. No. 100-1501 Decision No. 573394

website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Jamie Harrington by email at harrington.jamie@epa.gov.

Sincerely,

Debra Rate, Ph.D., Senior Regulatory Specialist Invertebrate & Vertebrate Branch 2

Registration Division (7505P) Office of Pesticide Programs

Attachment



[Master label]

INDOXACARB GROUP 22A INSECTICIDE

Arilon®

Insecticide

For use in and around single and multi-family residential buildings; schools; institutional, commercial, and industrial facilities (including warehouses, apartments, supermarkets, restaurants, motels, hotels, hospitals, daycare facilities, food-handling/storage/ processing establishments and zoos); transportation equipment, such as aircraft, trains, ships, boats, and buses; and companion animal housing.

Do not use this product as the sole source of control for active structural infestations by termites.

Active Ingredient:

Indoxacarb*:	20.0%
Other Ingredients:	80.0%
Total:	100.0%

Indoxacarb belongs to the oxadiazine chemical class.

Arilon® is a water-dispersible granule (WG) that contains 0.2 lb indoxacarb per lb product.

KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

EPA Reg. No. 1	00-1501
EPA Est. No.	
Net Contents	
[Batch Code:] (For nonrefillables only.)

^{*}CAS No. 173584-44-6

TABLE OF CONTENTS

1.0 FIRST AID

2.0 PRECAUTIONARY STATEMENTS

- 2.1 Hazards to Humans and Domestic Animals
- 2.2 Personal Protective Equipment (PPE)
 - 2.2.1 User Safety Requirements
 - 2.2.2 User Safety Recommendations
- 2.3 Environmental Hazards

DIRECTIONS FOR USE

3.0 PRODUCT INFORMATION

- 3.1 Insect Resistance Management
- 3.2 Food-Handling Establishments
 - 3.2.1 Applications in Non-Food Areas
 - 3.2.2 Applications in Food- and Feed-Handling Areas
 - 3.2.3 Specific Restrictions for Food-Handling Establishments
- 3.3 Companion Animal Housing
 - 3.3.1 Specific Restrictions for Companion Animal Housing

4.0 APPLICATION DIRECTIONS

- 4.1 Methods of Application
 - 4.1.1 Indoors
 - 4.1.2 Outdoors
- 4.2 Application Equipment
- 4.3 Application Volume and Spray Coverage
- 4.4 Mixing Directions
 - 4.4.1 Tank Mixing
 - 4.4.2 [For Arilon in Non-Refillable Rigid Plastic Containers]
 - 4.4.3 [For Arilon in Non-Refillable Packets]
- 4.5 Delivery of Arilon as a Foam Preparation
 - 4.5.1 Mixing Table for Arilon Foam

5.0 RESTRICTIONS AND PRECAUTIONS

- 5.1 Use Restrictions
- 5.2 California Restrictions on Exterior Applications
- 5.3 SPRAY DRIFT ADVISORIES

6.0 PEST CONTROL USE DIRECTIONS

- 6.1 **Ants**
- 6.2 Carpenter Bees
- 6.3 Cockroaches
- 6.4 Fleas
- 6.5 Flies (Including Permethrin-Resistant House Flies)

- 6.6 Occasional Invaders and Aggregating Pests
- 6.7 Pantry Insects/Stored Product Insect Pests
- 6.8 **Subterranean Termites**
- **6.9 Drywood Termites**
- 6.10 **Wasps**
- 7.0 STORAGE AND DISPOSAL
- 8.0 CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

1.0 FIRST AID

FIRST AID			
If swallowed	 Call a poison control center or doctor immediately for treatment advice. 		
	 Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by the poison control center or a doctor. Do not give anything by mouth to an unconscious person. 		
If in eyes	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. 		
If on skin or clothing	 Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. 		
If inhaled	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice. 		
Have the product container or label with you when calling a poison control center			
or doctor, or going for treatment.			
HOT LINE NUMBER			
For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical			
Emergency Assistance (Spill, Leak, Fire, or Accident),			
Call 1-800-888-8372			
1-000-0012			

2.0 PRECAUTIONARY STATEMENTS

2.1 Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Harmful if inhaled. Avoid breathing (dust, vapor or spray mist). Remove contaminated clothing and wash clothing before reuse.

2.2 Personal Protective Equipment (PPE)

All pesticide handlers (mixers, loaders and applicators) must wear:

- Shirt and long pants
- Waterproof gloves
- Shoes plus socks

2.2.1 User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

2.2.2 User Safety Recommendations

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

2.3 Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment rinse water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Runoff of this product will be reduced by avoiding applications when rainfall is likely to occur within 24 hours. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems. Do not apply to any impervious surfaces which may contact or lead directly to surface water, storm drains, or urban runoff conveyance systems (gutters).

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Read entire label before using this product. Syngenta will not be responsible for losses or damages resulting from use of this product in any manner not specifically stated on this label or other labels or bulletins published by Syngenta. User assumes all risks associated with such non-specified use.

3.0 PRODUCT INFORMATION

Arilon is a water-dispersible granule concentrate that contains the non-repellent active ingredient indoxacarb. When applied following label directions, Arilon is effective at controlling a wide range of listed insect pests common in urban environments.

After dilution in water, Arilon forms a suspension for making applications. Arilon is formulated not to stain or to damage building surfaces where water applied alone causes no damage. Before the first application is made, treating a small area and allowing it to dry to determine whether staining will occur is still recommended.

3.1 Insect Resistance Management

INDOXACARB | GROUP | 22A | INSECTICIDE

For resistance management, Arilon contains a Group 22A insecticide. Any insect population may contain individuals naturally resistant to Arilon and other Group 22A insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same treated areas. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of Arilon or other Group 22A insecticides with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally
 effective on the target pest when such use is permitted. Do not rely on the same
 mixture repeatedly for the same pest population. Consider any known crossresistance issues (for the targeted pests) between the individual components of a
 mixture. In addition, consider the following recommendations provided by the
 Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classifications are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).

Arilon

 Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.

- The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, record keeping, and which considers cultural, biological, and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

Contact your local Syngenta representative, retailer, or extension specialist for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area. For further information or to report suspected resistance contact Syngenta at 1-866-SYNGENT(A) (866-796-4368).

3.2 Food-Handling Establishments

Food-handling establishments are places other than private residences in which food is held, processed, prepared or served.

3.2.1 Applications in Non-Food Areas

Arilon is labeled for use as a spot or crack-and-crevice treatment at a maximum volume of 1 gallon per 1,000 sq ft to control cockroaches and other listed* pests in residential structures and the non-food areas of commercial, industrial, public and institutional buildings/structures, including restaurants, warehouses, food processing plants, supermarkets, hospitals, nursing homes, motels, hotels, schools, daycares, laboratories, computer facilities, aircraft, buses, boats/ships, trains, pet shops and zoos. *Refer to **Section 6.0** for directions for specific pests.

Non-food/non-feed areas include areas such as garbage rooms, lavatories, floor drains (to sewers), entries, and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after bottling or canning). Refer to **Section 3.2.3** for use restrictions when making applications in food-/feed-handling areas of Food-/Feed-Handling Establishments.

3.2.2 Applications in Food- and Feed-Handling Areas

Application to food/feed areas of food/feed-handling establishments should be made as a spot or crack-and-crevice treatment at a maximum volume of 1 gallon per 1,000 sq ft at the highest dilution rate (0.1% dilution). Refer to **Section 4.4** for mixing instructions and dilution tables, and refer to **Section 6** for specific dilution directions.

Food- and feed-handling areas include areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing edible waste storage, and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas are also considered a food/feed area when food is exposed and facility is in operation.

Apply into cracks and crevices using equipment designed to deliver a pin stream between different elements of construction, between floor and equipment, openings to voids and hollow spaces in walls, bases and equipment. Refer to **Section 6.0** for directions for specific pests.

3.2.3 Specific Restrictions for Food-Handling Establishments

- Do not apply to areas or surfaces where food/feed, food utensils or food-processing surfaces may come into contact and become contaminated.
- **Do not** apply to areas that are routinely washed, such as cracks and crevices in tops of tables, food/feed preparation and holding surfaces for prepared foods.

3.3 Companion Animal Housing

Apply Arilon as a spot and/or crack-and-crevice treatment in unoccupied companion animal housing. Normal cleaning practices of the structure should be followed along with applications of Arilon insecticide to effectively control the crawling and flying insect pests listed in **Section 6.0**.

For unoccupied areas of companion animal structures such as kennels, apply as a spot and/or crack-and-crevice treatment to floors, vertical and overhead surfaces where listed crawling or flying insect pests are or may be present. Cover feeders and waterers before application to prevent contamination. Pay attention to areas such as windows and doors and areas where insect pests hide or congregate. Apply perimeter treatments in a uniform band 1-3 feet up and 2-6 feet out from the companion animal housing facility. Allow treated surfaces to dry before animal reentry. Maintaining a year-round integrated pest management program that includes multiple tactics will help prevent populations of pests from reaching problem levels.

3.3.1 Specific Restrictions for Companion Animal Housing

- **Do not** apply to structures while occupied by companion animals.
- Do not make applications to any animal feedstuffs, water or watering equipment.
- **Do not** contaminate any animal food, feed, or water in and around companion animal housing when making applications.

4.0 APPLICATION DIRECTIONS

4.1 Methods of Application

Arilon

4.1.1 Indoors

Apply Arilon using a coarse low-pressure spray as a spot or crack and crevice treatment to infested areas or areas suspected to be infested. Make applications to areas including pest entry sites, attics, wall voids, behind cabinets or equipment, under counters or appliances, and along baseboards and reticulation systems. Arilon can be applied using ULV equipment such as a Micro Injector® or Actisol® machine for crack-and-crevice or spot applications only. Do not use ULV equipment to make spatial or fogging treatments.

4.1.2 Outdoors

Apply Arilon using a coarse, low-pressure spray as a spot, crack and crevice, general surface or perimeter banded treatment to control or prevent pest infestations. Perimeter band width must not be greater than a total of 7 feet. A perimeter band of 7 feet, for example, can include up to 3 feet up the exterior wall and out to 5 feet of horizontal surface away from the wall base, but not exceed a total of 7 feet.

4.2 Application Equipment

Small-volume applications to interior or exterior surfaces can be made with backpack or hand-held applicators. Arilon can be applied using ULV equipment such as a Micro Injector or Actisol machine for crack-and-crevice or spot applications only. Arilon can also be applied using foam-generating equipment (see section 4.5 for foaming instructions). For exterior applications with higher volumes, Arilon can be applied to exterior of structures using high-volume sprayers, truck-mounted or other power equipment.

4.3 Application Volume and Spray Coverage

For indoor use, apply no more than 1 gallon per 1,000 sq ft. For exterior use with backpack or other hand sprayers, 1-4 gallons per 1,000 sq ft is recommended. The maximum volume for exterior use is 4 gallons per 1,000 sq ft at 0.1% dilution (0.53 oz ai/1,000 sq ft).

For exterior use on medium to heavy infestations of pests, porous surfaces, complex sites, such as dense perimeter landscaping, dense mulching, or for maximum residual performance, use higher specified volumes.

For applications to exterior of structures using high-volume power-spray equipment, Arilon can be diluted to less than 0.05% concentration and applied at a higher volume. Lower mix rates with higher application volume helps ensure proper spray coverage and distribution of the insecticide. The higher spray volumes may be necessary for exterior applications to dense vegetation, mulch or other challenging areas around structures. As a mixing example, if targeted spray volume is 5 gallons of spray per 1,000 sq ft, mix 0.33 oz [1 packet] per 5 gallons of water. If targeted spray volume is 10 gallons of spray per 1,000 sq ft, mix 0.33 oz [1 Packet] per 10 gallons of water. For exterior use in

California, refer to Section 5.2 for application volume, treatment intervals and limits on numbers of applications.

4.4 Mixing Directions

- 1 IMPORTANT: Do not pour Arilon into an empty tank.
- 2 [Each packet must first be opened. Then pour the contents into the application or mixing tank.]
- 3 Clean application tank prior to using Arilon.
- 4 Fill application tank with water to about half of desired volume.
- 5 Pour the appropriate amount of Arilon into tank.
- 6 Agitate.
- 7 Fill tank with remaining volume of water and agitate again.
- 8 Treatment mixture is now ready to apply. If treatment mixture sits in the tank for extended periods, re-agitate prior to application.

4.4.1 Tank Mixing

Arilon may be tank-mixed with other currently registered pesticides unless expressly prohibited by the product label. To ensure compatibility, conduct a small volume mixing test with the other products. If using Arilon in a tank mixture, observe all directions for use, use rates, dilution ratios, precautions, and limitations which appear on the product labels. Follow the most restrictive label precautions and limitations and do not exceed labeled application rates for any product. This product should not be mixed with any product which prohibits such mixing.

4.4.2 [For Arilon in Non-Refillable Rigid Plastic Containers]

Volume Water to Use (Gal)	Desired End Use Application Rate	Amount of Arilon needed
1	0.05%	0.33 oz
'	0.10%	0.66 oz
3	0.05%	1.0 oz
3	0.10%	2.0 oz
5	0.05%	1.7 oz
5	0.10%	3.3 oz
25	0.05%	8.25 oz
	0.10%	16.5 oz
50	0.05%	16.5 oz
50	0.10%	33.0 oz

4.4.3 [For Arilon in Non-Refillable Packets]

Volume Water to Use (Gal)	Desired End Use Application Rate	Quantity of Arilon Packets needed
1	0.05%	1 packet (0.33 oz)
ľ	0.10%	2 packets (0.66 oz)
2	0.05%	3 packets (1.0 oz)
3	0.10%	6 packets (2.0 oz)
5	0.05%	5 packets (1.7 oz)
5	0.10%	10 packets (3.3 oz)
25	0.05%	25 packets (8.25 oz)
	0.10%	50 packets (16.5 oz)

4.5 Delivery of Arilon as a Foam Preparation

For certain situations, it may be desirable to apply Arilon as a foam preparation for delivery by using foam-generating equipment. Foam applications are particularly useful for applications to voids, e.g. wall or other structural voids, for treating pests in difficult to reach areas.

Prepare the finished dilution of Arilon and mix it with manufacturer's specified volume of foaming agent to achieve the desired foam expansion ratio best suited to specific applications (provided in the text of this label). For best results, the foaming agent that is used should be non-repellent to the target species. For wall voids, galleries and spot applications, use an expansion ratio of greater than or equal to 25:1 to create foam with a drier consistency; for subsurface applications, concrete block, etc., use foam with wetter consistency with an expansion ratio in the range of 5:1 to 15:1.

4.5.1 Mixing Table for Arilon Foam

Arilon Use Dilution	Finished Mixture (Gallons)	Foam Expansion Ratio*	Finished Foam (Gallons)
0.05-0.1% (0.33 oz to 0.66 oz per 1 gallon of water)	1.0	25:1	
	1.66	15:1	25
	2.5	10:1	
	5.0	5:1	

^{*} Add the manufacturer's recommended quantity of foaming agent to the Arilon dilution.

5.0 RESTRICTIONS AND PRECAUTIONS

5.1 Use Restrictions

- **DO NOT** formulate this product into other end-use products without written permission of Syngenta.
- Chemigation: DO NOT apply this product through any type of irrigation system.
- DO NOT apply this product in commercial nurseries and greenhouses or on sod farms. Not for use on plants being grown for sale or other commercial use, or for commercial seed production.
- Keep people and pets away from treated areas until treatment has dried.
- DO NOT apply a broadcast or general surface application to interior surfaces of residential or commercial structures.
- **DO NOT** apply as a spatial or fogging treatment using ULV equipment.
- DO NOT apply this product to pets or edible crops.
- **DO NOT** use water-based sprays of Arilon in or on electrical equipment or outlets due to possible shock hazard.
- At residential sites, all food-processing surfaces and utensils in the treatment area must be covered during treatment or thoroughly washed before reuse.

- **DO NOT** apply this product in patient rooms or in any rooms being occupied including rooms occupied by the elderly or infirm.
- **DO NOT** apply to classrooms when in use.
- **DO NOT** apply to institutions (e.g., libraries and recreational facilities) when occupants are present in the immediate area/room being treated.
- **DO NOT** use in aircraft cabins.
- **DO NOT** clean equipment near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.
- **DO NOT** use to treat drywood termites in New York State

5.2 California Restrictions on Exterior Applications

When applying Arilon to the exterior of structures, **do not** exceed the limitations listed in the following table.

Small-Volume Applications Using Backpack or Hand-held Applicators				
	Volumes ≤3	Gallons per 1,000	0 sq ft	
Amount of Arilon per Gallon (oz)	Dilution Concentration	Application Volume (Gal/1,000 ft²)	Minimum Treatment Interval (days)	Maximum Number of Applications per Year
0.33	0.05%	1-3	30	12
0.66	0.10%	1-1.5	30	12
F	ligh-Volume Applic	ations Using Po	wer Sprayers	
	Volumes ≥3	Gallons per 1,000	0 sq ft	
Amount of Arilon per 10 Gallons (oz)	Dilution Concentration	Application Volume (Gal/1,000 ft ²)	Minimum Treatment Interval (days)	Maximum Number of Applications per Year
3.3	0.05%	3	30	12
3.3	0.03 %	4	30	4
1.7	0.025%	4-7	30	6
0.66	0.010%	4-10	30	12
0.33	0.005%	4-10	7 days	12

5.3 SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift

Handheld Technology Applications

Take precautions to minimize spray drift.

6.0 PEST CONTROL USE DIRECTIONS

RE-TREATMENT DIRECTIONS FOR ALL PESTS

Application to specific areas previously untreated can be made as directed. Under normal pest situations or with maintenance applications, a treatment interval of 30 days is usually sufficient to maintain control. For heavy infestations to gain control, make two applications at 7-day intervals, then revert to maintenance application intervals. For use in California, refer to **Section 5.2** for retreatment intervals.

6.1 Ants

Target Pest		
Ants		
Concentration of Active Ingredient in Final Dilution	Location	Use Directions
Apply using a treatment dilution containing 0.05%—0.1% indoxacarb in water. Refer to Section 4.4 for mixing instructions. For heavy infestations of ants and/or extreme environmental conditions, use the 0.1% rate.	Indoors	Apply using a coarse, low-pressure spray as a spot or crack-and-crevice treatment at a maximum volume of 1 gallon per 1,000 sq ft. Target active ant trails, nests, or other infested areas or areas suspected to be infested. Spot or crack-and-crevice applications of Arilon may be made to areas including pest entry sites, attics, wall voids, behind cabinets or equipment, under counters or appliances, along baseboards and reticulation systems. Arilon can be applied using ULV equipment such as a Micro Injector or Actisol machine for crack-and-crevice or spot applications only. [Ants contacting hard surfaces recently treated with Arilon (or fresh deposits) may transfer lethal doses to other (untreated) ants.] [Brief or limited exposures to fresh Arilon deposits on porous or non-porous surfaces (or across a wide range of surfaces) are still effective at killing ants.]
	Outdoors	Apply using a coarse, low-pressure spray as a spot, crack-and-crevice, general surface or perimeter banded treatment to control or prevent ant infestations. A perimeter band of 7 ft total, for example, can include a maximum of 2 ft up the exterior wall and a maximum of 5 ft out from horizontal substrate away from the wall base. Treat heavier infestations or more complex substrates such as stone or brick with greater volumes of treatment dilution. Refer to Section 4.3 for application volume information. In addition to exterior structural elements, outdoor nesting sites such as refuse collection areas, flower/mulch beds, adjacent tree holes, surrounding turf areas, crawl spaces, or other nest/foraging sites, and foraging trails can be treated. Treat ant nests or mounds directly using 1–2 gallons of treatment dilution per mound. Surfaces commonly used by ants for foraging such as outdoor edges/frames of windows, doors, utility penetrations, roof lines or eaves, and other structural edges may also be treated. See Section 5.2 for directions for outdoor use in California.

	deposits) may transfer lethal doses to other (untreated) ants.]	
	[Brief or limited exposures to fresh Arilon deposits on porous or non-porous surfaces (or across a wide range of surfaces) are still effective at killing ants.]	
USE RESTRICTIONS		
1) Refer to Sections 5.1 and 5.2 for additional product use restrictions.		

6.2 Carpenter Bees

Target Pest		
Carpenter Bees		
Concentration of Active Ingredient in Final Dilution	Location	Use Directions
Apply using a treatment dilution containing 0.05%–0.1% indoxacarb in water. Refer to Section 4.4 for mixing instructions.	Indoors or Outdoors	Arilon is effective at killing carpenter bees. Direct application to bees and their nests should be made to improve treatment to galleries. When treating bee galleries, complete coverage of wood surfaces is important for optimal control.
Precaution:Arilon will provide adequate control but is not a quick knockdown agent.		
USE RESTRICTIONS		
1) Refer to Section 5.1 for additional product use restrictions.		

6.3 Cockroaches

Target Pest			
Cockroaches			
Concentration of Active Ingredient in Final Dilution	Location	Use Directions	
Apply using a treatment dilution containing 0.05%—0.1% indoxacarb in water. Refer to Section 4.4 for mixing instructions. For heavy infestations of cockroaches and/or extreme environmental conditions, use the higher listed rate.	Indoors	Apply using a coarse, low-pressure, spot or crack-and-crevice treatment at a maximum volume of 1 gallon per 1,000 sq ft. Target areas of cockroach infestation or areas known or suspected to be cockroach harborage sites. Spot or crack-and-crevice applications can be made to areas including pest entry sites, attics, wall voids, behind cabinets or equipment, under counters or appliances, and along baseboards and reticulation systems. Arilon can be applied using ULV equipment such as a Micro Injector or Actisol machine for crack-and-crevice or spot applications only.	
	Outdoors	Apply using a coarse, low-pressure spray as a spot, crack-and-crevice, general surface or perimeter banded treatment to control or prevent cockroach infestations. A perimeter band of 7 ft total, for example, can include a maximum of 2 ft up the exterior wall and a maximum of 5 ft out from horizontal substrate away from the wall base. Treat heavier infestations or more complex substrates, such as stone or brick with greater volumes of treatment solution. Refer to Section 4.3 for application volume information. In addition to exterior structural elements, treat outdoor breeding sites, such as refuse collection areas, loading docks, adjacent tree holes, crawl spaces, or other sources of cockroach infestations. Apply Arilon in harborage areas around the structure or where pests are likely to enter or rest, such as utility entry points, weep holes, eaves of structures, around windows or doors, or around lights. See Section 5.2 for directions for outdoor use in California.	
For use in Companion Animal Housing, refer to Section 3.3. USE RESTRICTIONS			
Refer to Sections 5.1 and 5.2 for additional product use restrictions.			

17

6.4 Fleas

Target Pest		
Fleas (larvae and adults)		
Concentration of Active Ingredient in Final Dilution	Location	Use Directions
Apply using a treatment dilution containing 0.05% — 0.1% indoxacarb in water.	Indoors	Direct application as crack-and-crevice or spot treatment to and around pet bedding areas and other known breeding areas of adult or larval fleas.
Refer to Section 4.4 for mixing instructions.	Outdoors	Direct application as spot or broadcast treatment within perimeter of structures known to harbor fleas.
		Use of higher volume (2-4 gallons per 1,000 sq ft) will provide better coverage in most outdoor substrates, such as lawn, mulch, and other flea breeding areas.
		Target areas where pets or other animals tend to rest, particularly shady moist areas where fleas can survive and develop.
		Use of an insect growth regulator in combination (as tank- mix or sequentially) can improve the control of fleas by reducing the number of immature fleas that develop.
		Use of on-animal treatments as recommended by a veterinarian can greatly improve the overall control of flea problems and is suggested as a part of an integrated control program.
		See Section 5.2 for directions for outdoor use in California.
For use in Companion Animal Housing, refer to Section 3.3.		
USE RESTRICTIONS		
1) Refer to Sections 5.1 and 5.2 for additional product use restrictions.		

6.5 Flies (Including Permethrin-Resistant House Flies)

Target Pest			
House flies		Filth / flesh flies	
Fruit flies		Nuisance Flies (such as cluster flies, Phorid flies,	
Stable flies		and non-biting midges)	
Concentration of Active Ingredient in Final Dilution	Location	Use Directions	
Apply using a treatment dilution containing 0.05%–0.1% indoxacarb in water. Refer to Section 4.4 for mixing instructions. For stable flies and permethrin-resistant house flies, use	Indoors	Apply as a crack-and-crevice or spot application to fly resting areas at a maximum volume of 1 gallon per 1,000 sq ft. [Arilon applied to hard surfaces (i.e., non-porous or indoor-type environments) is effective at controlling house flies and fruit flies.]	
higher concentration (0.1%)	Outdoors	Apply as a spot or surface/broadcast application directly to flies or to fly resting areas.	
		Use of higher volumes (2–4 gallons per 1,000 sq ft) will provide better coverage in or on many outdoor substrates and areas.	
		See Section 5.2 for directions for outdoor use in California.	
		n companion animal structures (see Section 3.3 for	
		formation on application in and around companion	
	animal housing): Arilon can be used in companion animal housing to control house flies, stable flies, nuisance flies (such as gnats, midges), and similar flying insect pests. Apply as a general surface, spot or a crack-and-crevice application to areas where flying pests collect, rest or breed. If needed, Arilon can be reapplied 7 days after previous treatment, or if heavy rainfall occurs, repeat as necessary.		
	For indoor applications to companion animal housing structures, treat surfaces, including walls, ceilings, around doors and windows, floors, and walkways. Do not contaminate or apply to feed or feedstuffs, water or watering equipment.		
	For outdoor applications, treat soil, vegetation, or other substrates in a band up to 7 feet wide adjacent to the building foundations and walls, around doors and windows, and overhead areas where pests are active or may find entry or harborage. Control will be enhanced when facilities are cleaned and indoor applications are supplemented with outdoor perimeter treatments.		
	For the most effective management of fly populations in and around companion animal housing, an integrated pest management plan that includes sanitation, biological control, and use of insecticides with differing modes of action should be used. Use of fly baits will complement the effectiveness of Arilon. In addition, use of an insect growth regulator in combination (as tank-mix or sequentially) can improve the control of flies by reducing the number of fly larvae that		

	develop into adults.			
	USE RESTRICTIONS			
1	Refer to Sections 5.1 and 5.2 for additional product use restrictions.			

6.6 Occasional Invaders and Aggregating Pests

Target Pest	Target Pest			
Beetlesoxelder bugs Carpet moths	Grasshoppe Kudzu bugs			
Centipedes	Millipedes	Stink bugs (including brown		
Crickets	Pillbugs	marmorated stink bug)		
Earwigs	Silverfish	marmoratou otimic bug)		
Concentration of Active				
Ingredient in Final Dilution	Location	Use Directions		
Apply using a treatment dilution containing 0.05%–0.1% indoxacarb in water. Refer to Section 4.4 for mixing instructions.	Indoors	Apply using a coarse, low-pressure spray as a spot or crack-and-crevice treatment at a maximum volume of 1 gallon per 1,000 sq ft. Target infested areas or areas suspected to be infested.		
For heavy infestations and/or extreme environmental conditions, use the higher listed rate.		Direct applications can be made to areas including pest entry sites, attics, wall voids, behind cabinets or equipment, under counters or appliances, along baseboards, storage rooms, garage areas, basements and reticulation systems.		
	Outdoors	Apply using a coarse, low-pressure spray as a spot, crack-and-crevice, general surface or perimeter banded treatment to control listed insect pests and to help prevent these nuisance pests from invading the structure. A perimeter band of 7 ft total, for example, can include a maximum of 2 ft up the exterior wall and a maximum of 5 ft out from horizontal substrate away from the wall base. Apply Arilon in harborage areas around the structure or where pests are likely to enter or rest, such as utility entry points, weep holes, eaves of structures, around windows or doors, or around lights. Treat heavier infestations or more complex substrates, such as stone or brick, with higher volumes of treatment solution. Refer to Section 4.3 for application volume information. See Section 5.2 for directions for outdoor use in California.		
	USE RESTRICTIONS			
1) Refer to Sections 5.1 and 5.2 for additional product use restrictions.				

6.7 Pantry Insects/Stored Product Insect Pests

Target Pest

Pantry Insects/Stored Product Insect Pests, Including:

1) Refer to **Section 5.1** for additional product use restrictions.

Beetles and Weevils:

Cigarette beetle Confused flour beetle Drugstore beetle Granary weevil

Granary weevil
Lesser grain borer

Lesser mealworm (Darkling beetle)

2) **Do not** apply directly to food.

Mealworms (yellow or dark)

Red flour beetle Rice weevil

Saw-toothed grain beetle

Moths:

Angumois grain moth Indian meal moth

Mediterranean flour moth

Concentration of Active Ingredient in Final Dilution	Location	Use Directions
Apply using a treatment dilution containing 0.05%–0.1% indoxacarb in water. Refer to	Indoors	Before application, remove and discard infested food materials.
Section 4.4 for mixing instructions.		For control of pantry insect pests/stored product insect pests, apply as a crack-and-crevice or spot treatment at a maximum volume of 1 gallon per 1,000 sq ft to infested areas, focusing on cracks in food storage areas, closets, cabinets, shelving, baseboards, and other areas where products are stored or used for transport. Direct application to pantry insect pests will provide best results. Remove or cover any remaining food items or
		food-serving surfaces.
USE RESTRICTIONS		

6.8 Subterranean Termites

Target Pest		
Subterranean termite specie Coptotermes Heterotermes Reticulitermes	es:	Dampwood termites: Zootermopsis.
Concentration of Active Ingredient in Final Dilution	Location	Use Directions
Apply using a treatment dilution containing 0.05%—0.1% indoxacarb in water. Refer to Section 4.4 for mixing instructions.	Indoors and Outdoors	Arilon can be applied as a spot treatment in and around structures to kill active termites by applying as a coarse liquid spray at 1 gallon per 10 sq ft of infested area. Alternatively, Arilon may be applied as a foam preparation to kill active termites. See Section 4.5 for foam applications. Treat infested sites directly. Treatment of Posts, Poles, Stumps or Trees. Use direct applications to kill exposed termites. Most spot applications can be conducted using 1-2 gallons of dilution. Do not treat bearing fruit or nut trees. For heavy infestations of termites and/or extreme environmental conditions, use the higher listed rate. See Section 5.2 for restrictions on outdoor use in California.

Precautions:

- This product will kill workers and/or winged reproductive forms of termites present at the time of application only.
- Application of this product will not provide structural protection nor substitute for mechanical alteration, soil or foundation treatment with termiticide.
- This product is not to be used as sole protection against termites as it is not designed to offer structural protection and will not prevent future infestations.
- A professional inspection is recommended.

USE RESTRICTIONS

- 1) Refer to **Section 5.1** for additional product use restrictions.
- 2) DO NOT use this product as the sole source of control for active, structural infestations by subterranean termites; the purpose of this application is to kill workers and/ or winged reproductive forms of termites which are present at the time of treatment. It is not intended to provide structural pest control. It is not a substitute for mechanical alteration, soil and foundation treatment, but merely a supplement. For active, structural infestations by subterranean termites, this product can only be used to supplement a federally registered termiticide product that is registered as a sole source for termite control. This product will not eliminate termite infestations or provide protection against future infestations.

6.9 Drywood Termites

Target Pest

Drywood termites (including the following genera):

Incisitermes
Cryptotermes
Marginitermes

Marginitermes		
Concentration of Active		
Ingredient in Final		
Dilution	Location	Use Directions
Apply using a treatment	Indoors	To control drywood termites in localized areas of infested
dilution containing 0.1%	and	wood in structures, apply 0.1% Arilon as a liquid or
indoxacarb in water.	Outdoors	foam to voids, termite galleries in damaged wood, and/or in
		spaces between wood and foundations. Locate termite
Refer to Section 4.4 for		galleries by using visual signs (e.g., fresh fecal pellets or
mixing instructions.		blistered wood), the presence of live pests, mechanical
		sounding techniques (tapping on the wood surface and
Refer to Section 4.5 for		listening for changes in sound to indicate changes in wood
application as a foam		density), listening devices, motion detection devices or other
preparation.		technologies that help pinpoint drywood termite activity.
		Wood Injection Method
		Drill small diameter holes of appropriate size for the injection
		tip or use a self-puncturing tip, positioned to intersect termite
		galleries within infested wood. Drywood termite emergence
		holes or pellet kick-out holes connect directly to galleries and
		are indicators of potential sites to drill and inject Arilon. Care
		should be taken to avoid electrical wiring, plumbing, etc. when
		drilling and injecting. Do not drill or puncture completely
		through wood. Spacing of the holes will depend on the
		distribution of insect activity and galleries. Injection holes may
		be clustered in areas with insect activity as indicated by
		damage, live insects or other indicators previously described.
		For large beams (4 inches x 10 inches or larger), injection
		holes on opposite sides may be necessary to effectively
		penetrate termite galleries.
		Apply up to 50 ml (1.7 fl oz) of diluted Arilon liquid at each
		injection hole. If using Arilon as a foam preparation, inject a
		sufficient amount to fill galleries.
		Re-treatment guidelines: Reapply if insect activity within
		treated area is detected 4 or more weeks following treatment.
		For best results in re-treating galleries, inject Arilon into new
		injection holes positioned between previous injection sites.

Precautions:

- Treatment requirements for drywood termite control may vary due to state and local regulations. For advice concerning current drywood termite control regulations under local conditions, consult your State structural pest control regulatory agency.
- When used as directed on this label, Arilon will provide effective remedial control of localized infestations of drywood termites. Knowledge of the biology and behavior of the drywood termite species involved, the locations and the extent of the infestation(s) will help ensure successful control.

- Application of this product will not provide structural protection nor substitute for mechanical alteration, soil or foundation treatment with termiticide.
- This product is not to be used as sole protection against termites as it is not designed to offer structural protection and will not prevent future infestations.
- A professional inspection is recommended.

USE RESTRICTIONS

- 1) Refer to **Section 5.1** for additional product use restrictions.
- 2) Do not use to treat drywood termites in New York State

6.10 Wasps

Target Pest		
Wasps		
Concentration of Active Ingredient in Final Dilution	Location	Use Directions
Apply using a treatment dilution containing 0.05%—0.1% indoxacarb in water. Refer to Section 4.4 for mixing instructions.	Indoors or Outdoors	Direct application to insects including nests should be made with pin stream or coarse spray. Ensure complete coverage when treating nests directly.
Precaution:Arilon will provide control but is not a quick knockdown agent.		
USE RESTRICTIONS		
1) Refer to Section 5.1 for additional product use restrictions.		

7.0 STORAGE AND DISPOSAL

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food, or feed in storage.

Pesticide Disposal: Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

Container Handling [plastic packets]: Non-refillable container. Do not reuse or refill this container. Completely empty plastic packet into application equipment. Then offer for recycling if available, or dispose of empty packet in the trash, in a sanitary landfill, or by incineration.

Container Handling [bags]: Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of empty bag in the trash, in a sanitary landfill, or by incineration.

Container Handling [less than or equal to 50 pounds]: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Container Handling [fiber drums with liners]: Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling if available or dispose of liner in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

8.0 CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Syngenta Crop Protection, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

Arilon®, the ALLIANCE FRAME the SYNGENTA Logo and the PURPOSE ICON are Trademarks of a Syngenta Group Company

Actisol® is a trademark of Environmental Delivery Systems, Inc.

Micro Injector® is a trademark of Whitmire Micro-Gen Research Laboratories, Inc.

©20__ Syngenta

For non-emergency (e.g., current product information), call Syngenta Crop Protection at 1-800-334-9481

Manufactured for: Syngenta Crop Protection, LLC P.O. Box 18300 Greensboro, North Carolina 27419-8300

Arilon 1501 MAS 0920 AMEND APR2021- CL 000100-01501.20210421.Arilon.AMEND.APR2021-CL

CHRON

Arilon 1501 MAS 0118 AMEND 0718 - sb - 7/2/2018 000100-01501.20180702.ARILON.AMEND.JUL2018

Arilon 1501 MAS 0319 - sb - 3/11/2019

Arilon 1501 MAS 0319 AMEND 0519-CL - di - 5-16-19 000100-01501.20190516.Arilon.AMEND.MAY2019-CL

Updated label with FID required changes

Arilon 1501 MAS 0920 - di - 10/8/2020 Docu-proofed vs PPLS

Arilon 1501 MAS 0920 NOTIF FEB2021-HI - di - 2/24/2021 000100-01501.20210224.Arilon.NOTIF.FEB2021-HI

Combining the 0920 FID approval and the Notification to ad the LA termite statement to the front panel. Both actions were at the EPA simultaneously based off of the 0319 Master label.

Arilon 1501 MAS 0920 AMEND APR2021- HI-jd-4/21/21 000100-01501.20210421.Arilon.AMEND.APR2021-HI

Revising the first aid statement to include "by mouth"-previous notification has been canceled